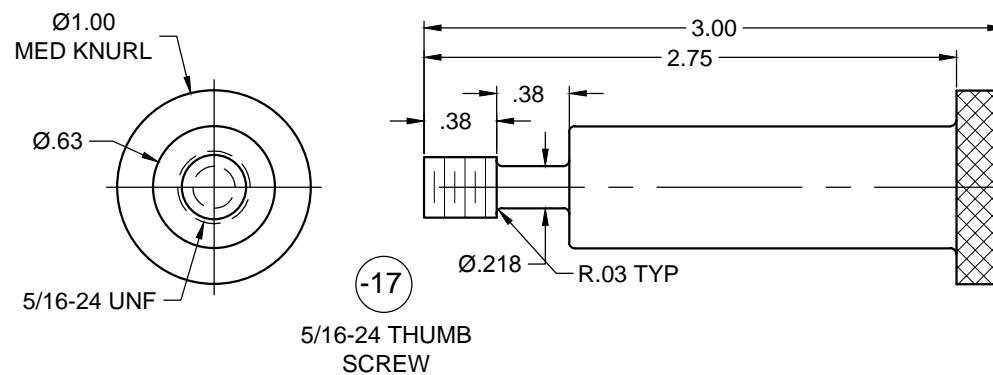
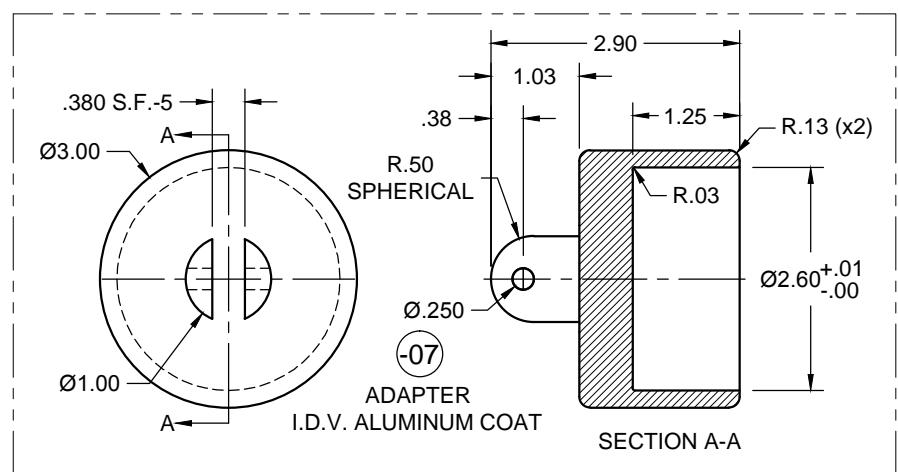


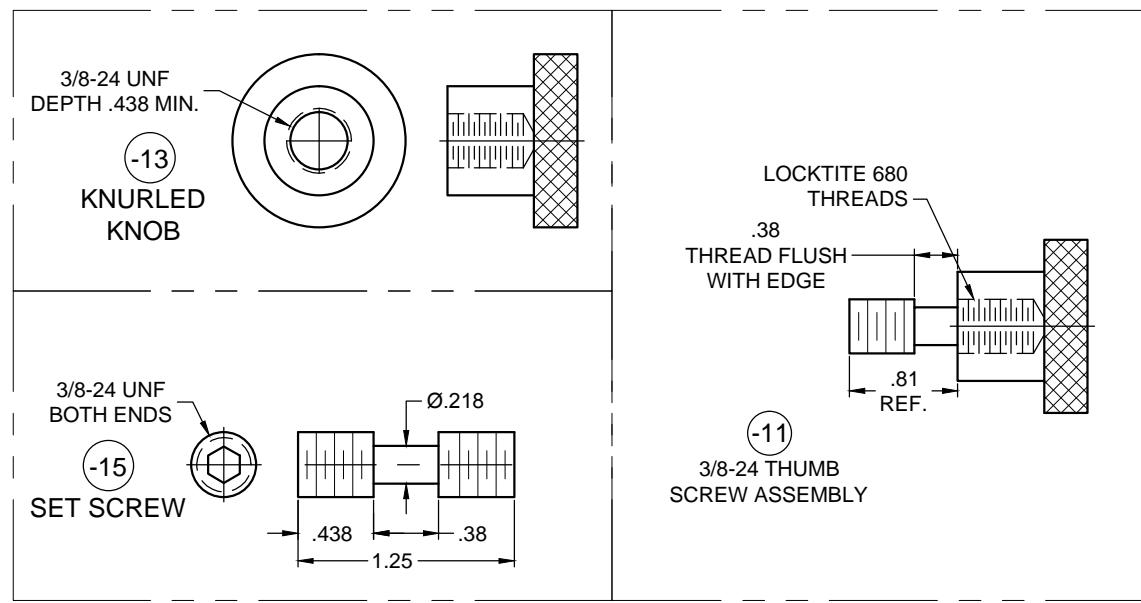
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	CHANGED 1 DEPTH TO .620.	10/4/07	WP DW
2	CHANGED FROM FIXED POST TO SWIVEL.	10/4/07	WP DW
3	MADE -1C GROOVE .157 DEEPER WITH R.188 TO FACILITATE MACHINING.	2/5/08	WP G.E.
4	ADDED BOTTOM TO TITLE & CORRECTED MODEL USED ON.	4/21/08	WP DW
5	CH'D ANGLE P/N -1A FROM 26° & ASSOCIATED DIM TO .35, MOVED P/N'S -3 THRU -5B TO NEW SHEET 3.	4/21/08	WP DW
6	SCRAPPED VERSION 1, INTERFERANCE FROM EXHAUST DUCT MADE IT UNUSABLE. CREATED VERSION 2. ONLY -3, 9, AND 11 thru 13 REMAIN THE SAME AS VERSION 1.	8/7/09	WP DW
7	EXTENDED LENGTH OF -17 .125, IN Ø.218 AREA, TO CORRECT ERROR.	9/16/09	WP RW



RED BARN MACHINE	
TITLE SUPPORT STRUT, ENGINE; PARTS	
DWG NO.	RBT18646-17
REV	7A
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
APPROVED	
HEAT TREAT	
FINISH SPEC	
USED ON MODEL	
SHWEIZER 330 & FIRESCOUT	
SCALE	NTS
DATE	10-03-07
SHEET	5 of 5

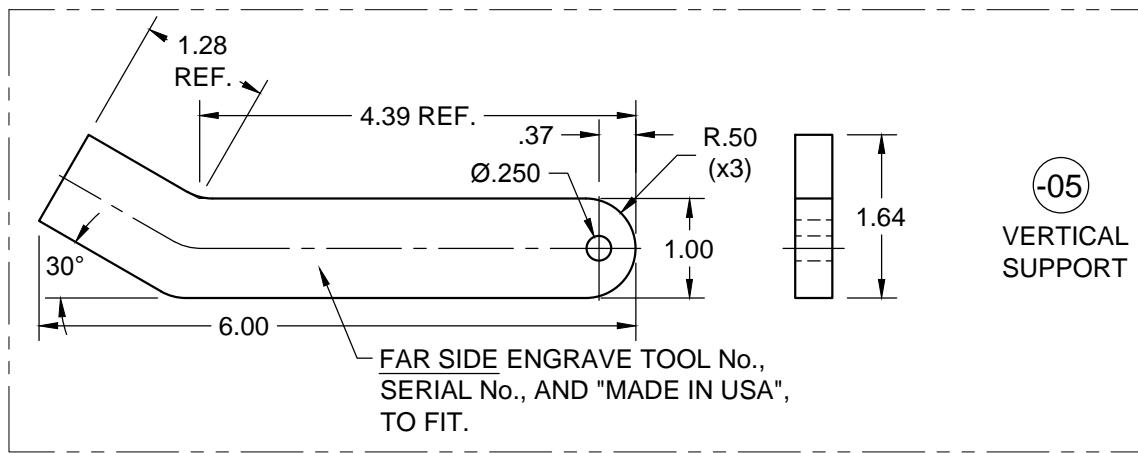
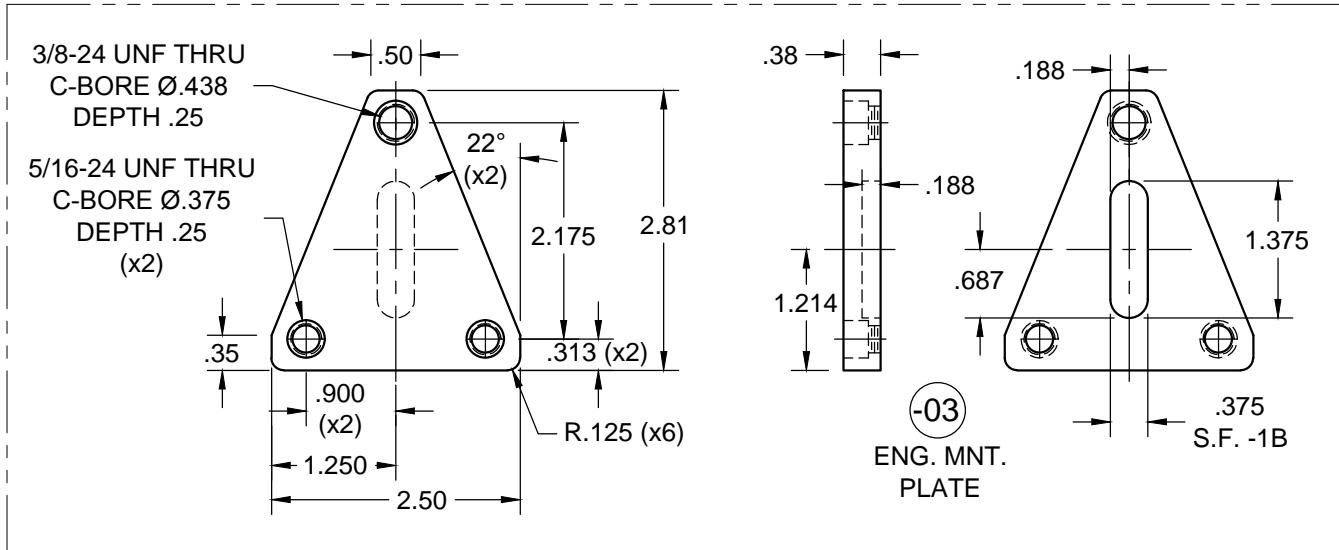


REV	DESCRIPTION	REVISIONS	DATE	INITIAL	APPROVED
1	CHANGED 1 DEPTH TO .620.		10/4/07	WP	DW
2	CHANGED FROM FIXED POST TO SWIVEL.		10/4/07	WP	DW
3	MADE -1C GROOVE .157 DEEPER WITH R.188 TO FACILITATE MACHINING.		2/5/08	WP	G.E.
4	ADDED BOTTOM TO TITLE & CORRECTED MODEL USED ON.		4/21/08	WP	DW
5	CH'D ANGLE P/N -1A FROM 26° & ASSOCIATED DIM TO .35, MOVED P/N'S -3 THRU -5B TO NEW SHEET 3.		4/21/08	WP	DW
6	SCRAPPED VERSION 1, INTERFERENCE FROM EXHAUST DUCT MADE IT UNUSABLE. CREATED VERSION 2, ONLY -3, 9, AND 11 thru 13 REMAIN THE SAME AS VERSION 1.		8/7/09	WP	DW
7A	CH'D P/N -11 DIM TO .81 REF. , CH'D LOCKTITE FROM 222MS PER W.P.		10/13/09	RJC	RW



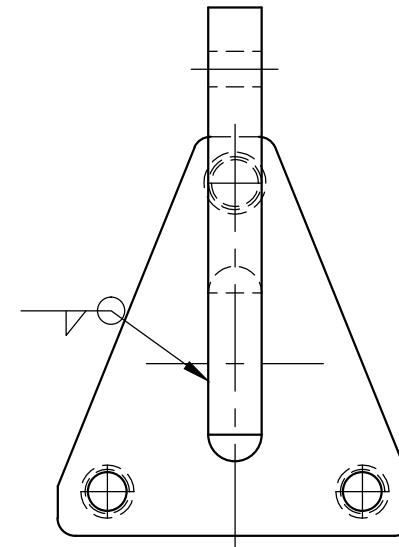
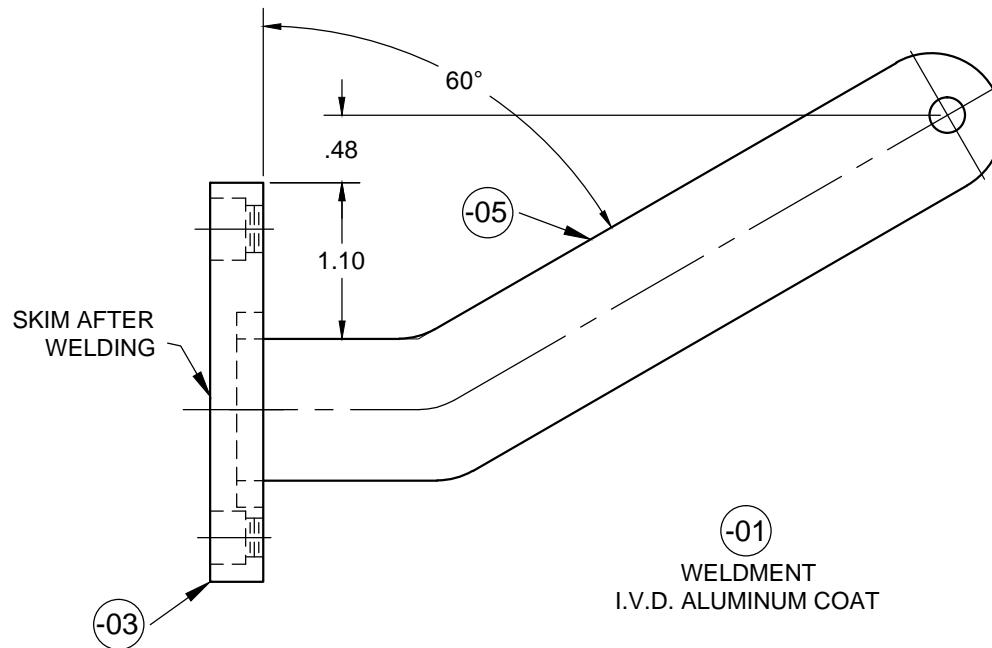
RB RED BARN MACHINE	
TITLE SUPPORT STRUT, ENGINE; PARTS	
DWG NO. RBT18646-7,11,13, & 15 REV 7A	
UNLESS OTHERWISE SPECIFIED DRAWN BY: DIMENSIONS ARE IN INCHES PERRITT	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 XX ± .01 ANGLES ± 5° X ± .1	
APPROVED HEAT TREAT FINISH SPEC SEE PART USED ON MODEL SHWEIZER 330 & FIRESCOUT	
SCALE NTS	DATE 10-03-07 SHEET 4 of 5

REV	DESCRIPTION	REVISIONS		
		DATE	INITIAL	APPROVED
1	CHANGED 1 DEPTH TO .620.	10/4/07	WP	DW
2	CHANGED FROM FIXED POST TO SWIVEL.	10/4/07	WP	DW
3	MADE -1C GROOVE .157 DEEPER WITH R.188 TO FACILITATE MACHINING.	2/5/08	WP	G.E.
4	ADDED BOTTOM TO TITLE & CORRECTED MODEL USED ON.	4/21/08	WP	DW
5	CH'D ANGLE P/N -1A FROM 26° & ASSOCIATED DIM TO .35, MOVED P/N'S -3 THRU -5B TO NEW SHEET 3.	4/21/08	WP	DW
6	SCRAPPED VERSION 1, INTERFERENCE FROM EXHAUST DUCT MADE IT UNUSABLE. CREATED VERSION 2, ONLY -3, 9, AND 11 thru 13 REMAIN THE SAME AS VERSION 1.	8/7/09	WP	DW
7	ADDED ENGRAVING NOTES TO -05.	9/24/09	WP	RW



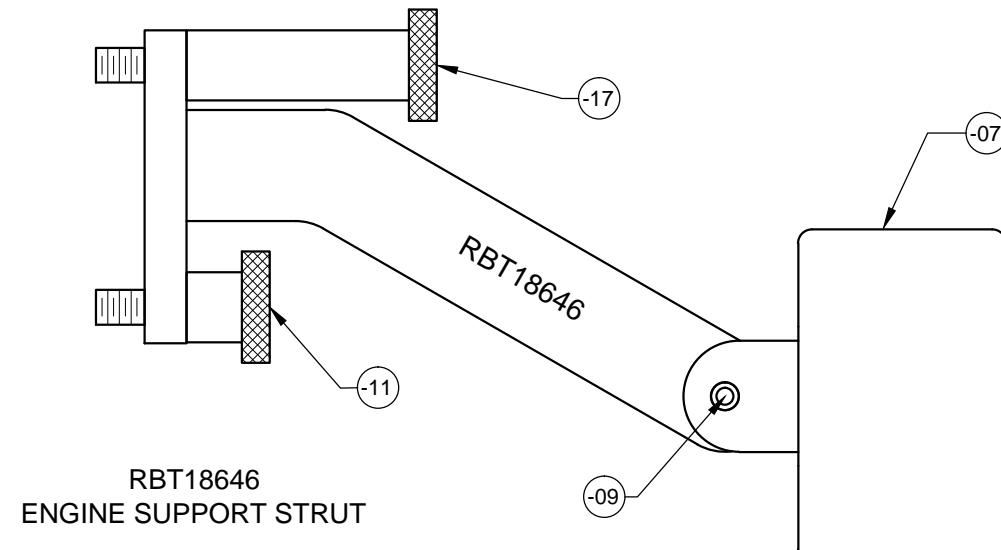
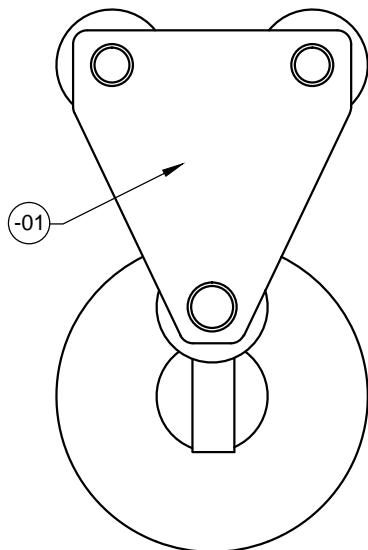
RB RED BARN MACHINE	
TITLE SUPPORT STRUT, ENGINE; PARTS	
DWG NO.	REV 7A
RBT18646-3 & 5	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS XXX \pm .005 XX \pm .01 X \pm .1 FRACTIONS \pm 1/32 HEAT TREAT FINISH SPEC SEE WELDMENT	
USED ON MODEL SHWEIZER 330 & FIRESCOUT	
SCALE	NTS
DATE	10-03-07
SHEET 3 of 5	

REVISIONS		DATE	INITIAL	APPROVED
REV	DESCRIPTION			
1	CHANGED 1 DEPTH TO .620.	10/4/07	WP	DW
2	CHANGED FROM FIXED POST TO SWIVEL.	10/4/07	WP	DW
3	MADE -1C GROOVE .157 DEEPER WITH R.188 TO FACILITATE MACHINING.	2/5/08	WP	G.E.
4	ADDED BOTTOM TO TITLE & CORRECTED MODEL USED ON.	4/21/08	WP	DW
5	CH'D ANGLE P/N -1A FROM 26° & ASSOCIATED DIM TO .35, MOVED P/N'S -3 THRU -5B TO NEW SHEET 3.	4/21/08	WP	DW
6	SCRAPPED VERSION 1, INTERFERENCE FROM EXHAUST DUCT MADE IT UNUSABLE. CREATED VERSION 2, ONLY -3, 9, AND 11 thru 13 REMAIN THE SAME AS VERSION 1.	8/7/09	WP	RW



RED BARN MACHINE	
TITLE SUPPORT STRUT, ENGINE; WELDMENT	
DWG NO.	RBT18646-1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS XXX \pm .005	APPROVED
XX \pm .01	HEAT TREAT
X \pm .1	FINISH SPEC I.V.D. ALUMINUM
USED ON MODEL SHWEIZER 330 & FIRESCOUT	
SCALE NTS	DATE 10-03-07
SHEET 2 of 5	

REVISIONS		
REV	DESCRIPTION	DATE
		INITIAL APPROVED
1	CHANGED 1 DEPTH TO .620.	10/4/07 WP DW
2	CHANGED FROM FIXED POST TO SWIVEL.	10/4/07 WP DW
3	MADE -1C GROOVE .157 DEEPER WITH R.188 TO FACILITATE MACHINING.	2/5/08 WP G.E.
4	ADDED BOTTOM TO TITLE & CORRECTED MODEL USED ON.	4/21/08 WP DW
5	CH'D ANGLE P/N -1A FROM 26° & ASSOCIATED DIM TO .35, MOVED P/N'S -3 THRU -5B TO NEW SHEET 3.	4/21/08 WP DW
6	SCRAPPED VERSION 1, INTERFERENCE FROM EXHAUST DUCT MADE IT UNUSABLE. CREATED VERSION 2, ONLY -3, 9, AND 11 thru 13 REMAIN THE SAME AS VERSION 1.	8/7/09 WP DW
7	EXTENDED LENGTH OF -17 .125, IN Ø.218 AREA, TO CORRECT ERROR. ADDED ENGRAVING NOTES TO -05.	9/16/09 WP RW
7A	CH'D P/N -11 DIM TO .81 REF. , CH'D LOCTITE FROM 222MS PER W.P.	10/13/09 RJC RW



NOTES

1. USED FOR FIRE SCOUT XSMN., ENGINE SUPPORT WHEN REMOVING TRANSMISSION.

ASSY QTY	ASSY QTY	ASSY QTY	B/D	PART #	TOTAL QTY	DESCRIPTION	MATERIAL	B/O INFORMATION SPECIFICATIONS OR	Pg.
				-1	1	WELDMENT			2
				1	-3	ENGINE MOUNT PLATE	1018	3/8 x 2-1/2 x 3	3
				1	-5	TAB	1018	3/8 x 1-3/4 x 6	3
					-7	1	ADAPTER	12L14	Ø3 x 3-1/8
				B/D	-9	1	ROLL PIN	STEEL	Ø1/4 x 1
									1
					-11	1	3/8-24 THUMB SCREW ASSY.		4
				1	W/D	-13	KNURLED KNOB	MCMASTER-CARR #60205K35	4
				1	W/D	-15	SOCKET HEAD SET SCREW	S.S. 3/8-24 x 1-1/4	4
									5
					-17	2	5/16-24 THUMB SCREW	304 S.S. Ø1 x 3	
ASSY -11	ASSY -1	ASSY -1							

RB RED BARN MACHINE
 TITLE: **BOTTOM SUPPORT STRUT, ENGINE**
 DWG NO. **RBT18646** REV **7A**
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES ON: DECIMALS XXX ± .005 FRACTIONS ± 1/32
 XX ± .01 ANGLES ± 5°
 X ± .1
 UNLESS OTHERWISE SPECIFIED
 1. BREAK ALL SHARP EDGES
 .015 x 45° PR.015 R
 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
 DRAWN BY: **PERRITT**
 APPROVED
 HEAT TREAT
 FINISH SPEC **I.V.D. ALUMINUM -01 & 07**
 USED ON MODEL
SHWEIZER 330 & FIRESCOUT

SCALE **NTS** DATE **10-03-07** SHEET **1 of 5**

REVISIONS			
REV	DESCRIPTION	DATE	REV. BY
1	--	--	--

~~NOT APPROVED FOR PRODUCTION~~

ASSY QTY	ASSY QTY	B/D	PART #	TOTAL QTY	DESCRIPTION	MAT.	B/O INFORMATION SPECIFICATIONS OR	Pg.
			-1	1		1020		2
			-3	1		1020		2
			-3	3		PLAIN		2
			-7	1		2024		1
		B/D	-9	1				1
		B/D	-11	1				1
ASSY #								

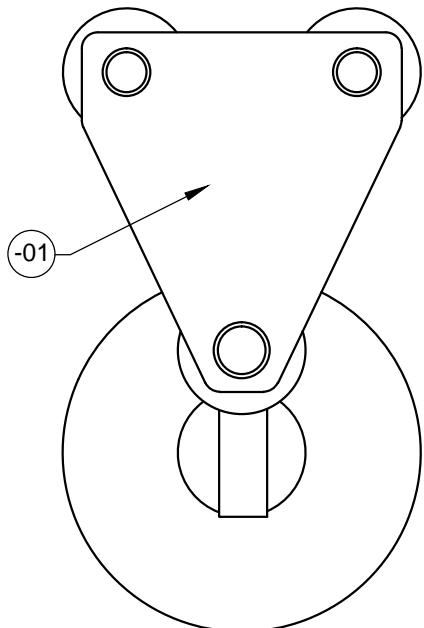
RED BARN MACHINE	
TITLE	
SUPPORT, ENGINE JACKING	
DWG NO. RBT18646 REV 3	
UNLESS OTHERWISE SPECIFIED DRAWN BY: PERRITT	
DIMENSIONS ARE IN INCHES APPROVED	
TOLERANCES ON: DECIMALS	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± 1	
HEAT TREAT FINISH SPEC BLACK OXIDE STL. PARTS	
USED ON MODEL	
UNLESS OTHERWISE SPECIFIED	
1. BREAK ALL SHARP EDGES	
.015 x 45° PR. .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	NTS
DATE	10-03-07
SHEET	1 of 2

NOT APPROVED FOR PRODUCTION

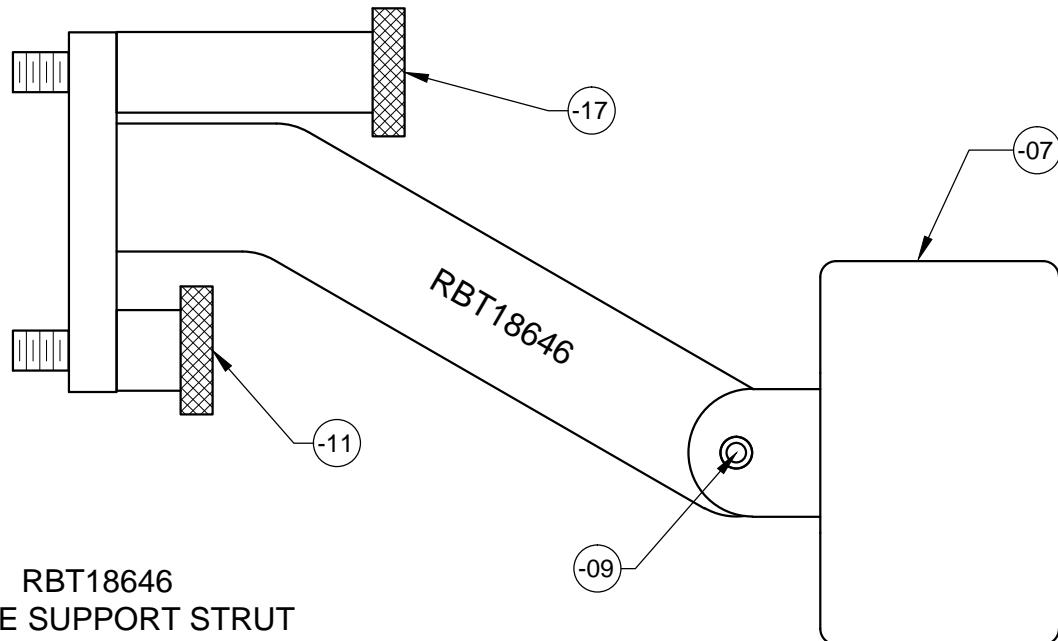
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	--

DRAWN BY: PERRITT	RB RED BARN MACHINE
CHECKED	
HEAT	
TREAT	
FINISH SPEC	
USED ON MODEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
?	TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5°
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 0.015 x 45° PR. 0.015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
	DWG NO.
	SCALE NTS DATE 1-28-06 SHEET 1 of 1



RBT18646
ENGINE SUPPORT STRUT



RED BARN MACHINE
190 S. DANEBO AVE.
Eugene, Oregon 97402
(541) 344-9953; fax (541) 344-3863
e-mail: sales@redbarn.net

RED BARN MACHINE		
FIRE SCOUT		
ENGINE SUPPORT STRUT		
DWG NO. RBT18646		
PART #	QTY	DESCRIPTION
-01	1	WELDMENT
-07	1	ADAPTER
-09	1	ROLL PIN
-11	1	3/8-24 THUMB SCREW
-17	2	5/16-24 THUMB SCREW

RB RED BARN MACHINE

TITLE INSPECTION & TESTING PROCEDURES FOR THE FIRE SCOUT ENGINE SUPPORT STRUT ASSEMBLY

TOOL NO.

RBT18646-TEST

APPROPRIATE SHACKLES
AND CHAINS FOR WEIGHT

RBT18646-F02

RBT18646

RBT18646-F01

APPROPRIATE SHACKLE
FOR WEIGHT

400 lb.
WEIGHT

INSPECTION & TESTING PROCEDURES FOR THE RBT18646 ENGINE SUPPORT STRUT ASSEMBLY. THIS ASSEMBLY IS DESIGNED TO SUPPORT THE FIRE SCOUT ENGINE ASSEMBLY, SUPPORTED BY A JACKING UNIT, DURING MAINTENANCE PROCEDURES. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

91 DAY INSPECTION:

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION.
2. CHECK THE PIN AREA FOR STRESS CRACKS, BENDING, OR DISTORTIONS.
3. CHECK THE WELDS FOR ANY CRACKS OR DISTORTIONS.
4. CHECK ALL BOLTS FOR DAMAGED THREADS, STRESS CRACKS, STRETCHING OR DISTORTIONS.
5. CHECK THE REST OF THE ASSEMBLY FOR ANY DAMAGE CRACKS OR DISTORTIONS.
6. REPAINT IF NECESSARY.

IF ANY OF THE ABOVE CONDITIONS EXIST, OR ARE SUSPECTED OF EXISTING. DO NOT USE THE TOOL UNTIL IT HAS BEEN REPAIRED AND TESTED OR REPLACE.

3 YEAR WEIGHT TESTING:

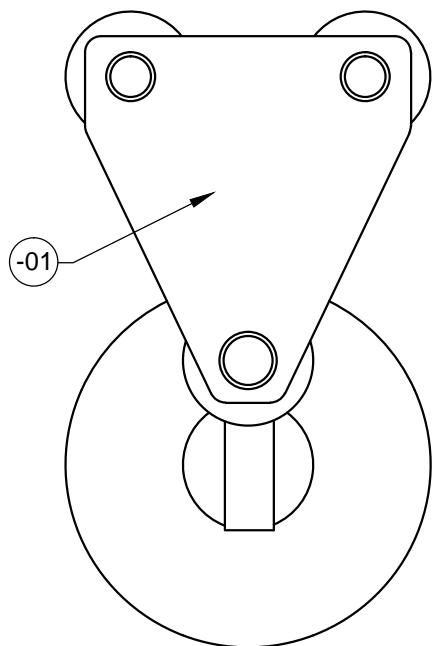
1. AFTER INSPECTION, SECURELY FASTEN THE RBT18646 ENGINE SUPPORT STRUT ASSEMBLY TO THE RBT18646-F01 TESTING PLATE.
2. USING THE APPROPRIATE SHACKLE (2 TON MINIMUM PREFERRED), ATTACH THE TESTING PLATE TO THE A 400 lb. TESTING WEIGHT.
3. WITH THE SUPPORT STRUT UPSIDE DOWN, PLACE IT IN THE SLOT OF RBT18646-F02 SO THAT THE WEIGHT IS EVENLY DISTRIBUTED; ALSO ATTACH SHACKLES AND CHAIN TO A PROPER LIFTING DEVICE FOR THE GIVEN WEIGHT (2000 lb. MINIMUM PREFERRED).
4. CAREFULLY LIFT THE ATTACHED ASSEMBLIES UNTIL THE TESTING WEIGHT IS APPROXIMATELY 1 FOOT OFF THE GROUND.
5. LEAVE THE WEIGHT SUSPENDED FOR 5 MINUTES. WHILE THE WEIGHT IS SUSPENDED CAREFULLY OBSERVE THE RBT18646 ENGINE SUPPORT STRUT FOR ANY DEFLECTION AND DISTORTIONS.
6. AFTER 5 MINUTES, LOWER AND DISCONNECT THE TESTING WEIGHT, AND SHACKLE. REMOVE THE SUPPORT STRUT FROM BETWEEN THE FORKS.
7. RE-INSPECT THE ENTIRE RBT18646 ENGINE SUPPORT STRUT ASSEMBLY.

RED BARN MACHINE

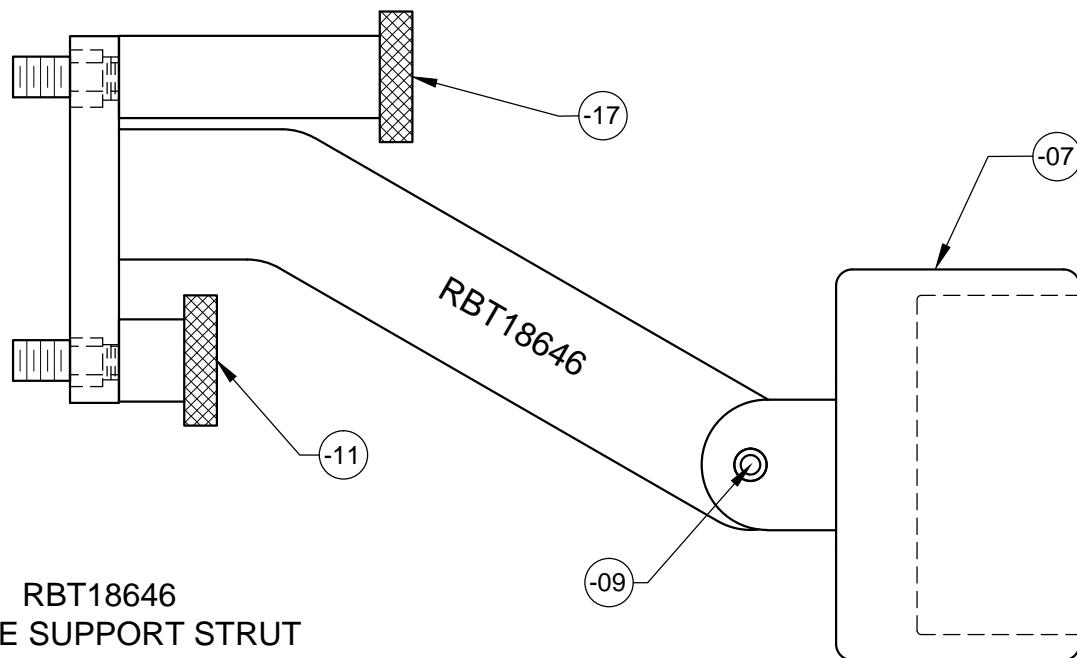
190 S. DANEBO AVE., Eugene, Oregon 97402

(541) 344-9953; fax (541) 344-3863

e-mail; sales@redbarn.net



RBT18646
ENGINE SUPPORT STRUT



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Eugene, Oregon 97402
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e-mail: sales@redbarn.net

RED BARN MACHINE		
FIRE SCOUT		
ENGINE SUPPORT STRUT		
DWG NO. RBT18646		
PART #	QTY	DESCRIPTION
-01	1	WELDMENT
-07	1	ADAPTER
-09	1	ROLL PIN
-11	1	3/8-24 THUMB SCREW
-17	2	5/16-24 THUMB SCREW